

National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:1999

Norbar Torque Tools Inc., Torque Specialist

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CALIBRATION LABORATORIES

NVLAP LAB CODE 200596-0

Scope Revised: 2006-08-16

NVLAP Code: 20/A01 ANSI/NCSL Z540-1-1994; Part 1 Compliant

MECHANICAL

NVLAP Code: 20/M06

Force - Torque

Range Best Uncertainty (±) notes 1, 2 Remarks

10 oz·in to 1000 lb·ft 0.02 % of Indicated Value (IV) Mechanical and electronic torque

calibration equipment

500 lbf·ft to 5000 lbf·ft 0.03 % of Indicated Value (IV) Mechanical and electronic torque

calibration equipment

Electric Torque Indicator Display

Range note 3 Best Uncertainty (±) in % note 1 Remarks

 0.5 mV
 0.13 note 5

 1.0 mV
 0.08 note 5

 2.0 mV to 16.5 mV
 0.06 note 5

 0.05 V
 0.35 note 4

 0.10 V
 0.18 note 4

 0.2 V to 2.0 V
 0.11 note 4

 5 V
 0.0008 note 5

10 mA to 22 mA 0.014 note 4

2006-07-01 through 2007-06-30

Effective dates For the National Institute of Standards and Technology

Page 1 of 2

NVLAP-01S (REV. 2004-10-31)



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- 1. Represents an expanded uncertainty using a coverage factor, k = 2, at an approximate level of confidence of 95 %.
- 2. The uncertainty quoted is for the application of Calibration Torque and does not take into account the characteristics of the device being calibrated.
- 3. Calibrations may be given in units of torque, as appropriate.
- 4. The uncertainties quoted are for the Norbar ETS 40320 series of display instruments. The uncertainties may be increased for other types of electrical torque indicator displays.
- 5. The uncertainties quoted are for the Norbar Torque Tool Tester 43215 series of display instruments when used with a device which has a nominal output of 2 mV/V. The uncertainties may be increased if the Torque Tool Tester 43215 is used with devices whose nominal output is less than 2 mV/V. The uncertainties may also be increased for other types of electrical torque indicator displays.

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